

WHAT IS CLAIMED IS:

1. A collimator having an aperture defined by the edges of four movable flexible shutters each shutter being movable independently of the other shutters.
2. The collimator of claim 1 wherein the shutter is wound onto a drum.
3. The collimator of claim 1 wherein one of the shutters is linked by at least one transmission member which is wound onto a drum.
4. The collimator of claim 1 wherein one of the shutters is biased towards a facing shutter by resilient means.
5. The collimator of claim 2 wherein one of the shutters is biased towards a facing shutter by resilient means.
6. The collimator of claim 3 wherein one of the shutters is biased towards a facing shutter by resilient means.
7. The collimator of claim 1 in which a stop member limits the displacement of a shutter moving away from a facing shutter.
8. The collimator of claim 2 in which a stop member limits the displacement of a shutter moving away from a facing shutter.
9. The collimator of claim 3 in which a stop member limits the displacement of a shutter moving away from a facing shutter.
10. The collimator of claim 4 in which a stop member limits the displacement of a shutter moving away from a facing shutter.
11. The collimator of claim 1 in which a shutter comprises of two layers one above the other.
12. The collimator of claim 2 in which a shutter comprises of two layers one above the other.

13. The collimator of claim 3 in which a shutter comprises of two layers one above the other.

14. The collimator of claim 4 in which a shutter comprises of two layers one above the other.

15. The collimator of claim 7 in which a shutter comprises of two layers one above the other.

16. The collimator of claim 1 in which the edge of a shutter is provided with a metal part.

17. The collimator of claim 2 in which the edge of a shutter is provided with a metal part.

18. The collimator of claim 3 in which the edge of a shutter is provided with a metal part.

19. The collimator of claim 4 in which the edge of a shutter is provided with a metal part.

20. The collimator of claim 7 in which the edge of a shutter is provided with a metal part.

21. The collimator of claim 11 in which the edge of a shutter is provided with a metal part.

22. An apparatus having a radiation source and a collimator according to claim 1.

23. A method for collimating radiation from a source comprising the steps of:

providing a collimator having an aperture defined by the edges of four movable flexible shutters ; and

moving each shutter independently of the other shutters to adjust collimation aperture.

24. The method of claim 23 wherein the displacement step is preceded by a step in which a position of the collimator shutters is initialized, the initialization step comprising opening the shutters to a position where they encounter stop members.